☐ **1:** AF232006[gi:8037790] This record was replaced or removed. See <u>revision history</u> for details.

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LOCUS       AF232006               20052 bp    DNA     linear   BCT 23-MAY-2000
DEFINITION  Pseudomonas syringae pv. tomato strain DC3000 AvrE (avrE), HrpW
            (hrpW), and GstA (gstA) genes, complete cds; and unknown genes.
ACCESSION   AF232006
VERSION     AF232006.1  GI:8037790
KEYWORDS    .
SOURCE      Pseudomonas syringae pv. tomato
  ORGANISM  Pseudomonas syringae pv. tomato
            Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;
            Pseudomonas.
REFERENCE   1  (bases 1 to 20052)
  AUTHORS   Charkowski,A.O., Alfano,J.R., Preston,G., Yuan,J., He,S.Y. and
            Collmer,A.
  TITLE     The Pseudomonas syringae pv. tomato HrpW protein has domains
            similar to harpins and pectate lyases and can elicit the plant
            hypersensitive response and bind to pectate
  JOURNAL   J. Bacteriol. 180 (19), 5211-5217 (1998)
  MEDLINE   98422476
REFERENCE   2  (bases 1 to 20052)
  AUTHORS   Alfano,J.R., Charkowski,A.O., Deng,W.L., Badel,J.L.,
            Petnicki-Ocwieja,T., van Dijk,K. and Collmer,A.
  TITLE     The Pseudomonas syringae Hrp pathogenicity island has a tripartite
            mosaic structure composed of a cluster of type III secretion genes
            bounded by exchangeable effector and conserved effector loci that
            contribute to parasitic fitness and pathogenicity in plants
  JOURNAL   Proc. Natl. Acad. Sci. U.S.A. 97 (9), 4856-4861 (2000)
  MEDLINE   20243785
   PUBMED   10781092
REFERENCE   3  (bases 1 to 20052)
  AUTHORS   Alfano,J.R. and Collmer,A.
  TITLE     Direct Submission
  JOURNAL   Submitted (07-FEB-2000) Dept. Biol. Sci., UNLV, 1854 Maryland
            Parkway, Las Vegas, NV 89154, USA
COMMENT     [WARNING] On Mar 14, 2001 this sequence was replaced by a newer
            version gi:13325077.
FEATURES             Location/Qualifiers
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[handwritten: April 25, 2000]

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Revised: July 5, 2002.

Jan 21 2003 18:08:12

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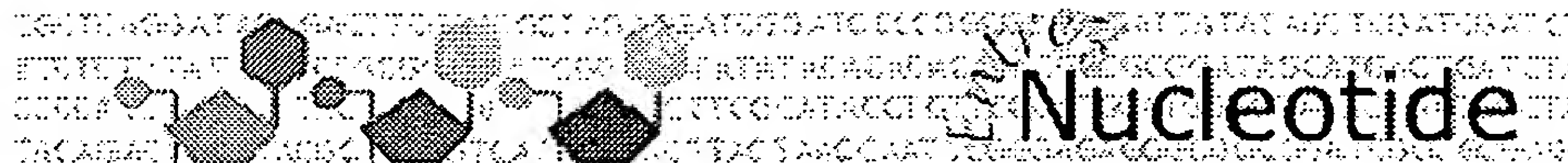
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☐ **1: AF232004. Pseudomonas syrin...[gi:13325077]**   Links

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DEFINITION  Pseudomonas syringae pv. tomato strain DC3000 Hrp pathogenicity
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ACCESSION   AF232004 AF061028 AF061029 AF232006 L41861
VERSION     AF232004.3  GI:13325077
KEYWORDS    .
SOURCE      Pseudomonas syringae pv. tomato
  ORGANISM  Pseudomonas syringae pv. tomato
            Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
            Pseudomonadaceae; Pseudomonas.
REFERENCE   1  (bases 25494 to 29778)
  AUTHORS   Preston,G., Huang,H.C., He,S.Y. and Collmer,A.
  TITLE     The HrpZ proteins of Pseudomonas syringae pvs. syringae, glycinea,
            and tomato are encoded by an operon containing Yersinia ysc
            homologs and elicit the hypersensitive response in tomato but not
            soybean
  JOURNAL   Mol. Plant Microbe Interact. 8 (5), 717-732 (1995)
  MEDLINE   96025089
   PUBMED   7579616
REFERENCE   2  (bases 22134 to 25847; 29687 to 32670)
  AUTHORS   Deng,W.L., Preston,G., Collmer,A., Chang,C.J. and Huang,H.C.
  TITLE     Characterization of the hrpC and hrpRS operons of Pseudomonas
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            the ability of hrpF, hrpG, hrcC, hrpT, and hrpV mutants to elicit
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  JOURNAL   J. Bacteriol. 180 (17), 4523-4531 (1998)
  MEDLINE   98389667
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REFERENCE   3  (bases 31672 to 51723)
  AUTHORS   Charkowski,A.O., Alfano,J.R., Preston,G., Yuan,J., He,S.Y. and
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  TITLE     The Pseudomonas syringae pv. tomato HrpW protein has domains
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  JOURNAL   J. Bacteriol. 180 (19), 5211-5217 (1998)
  MEDLINE   98422476
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REFERENCE   4  (bases 901 to 22404; 31672 to 51723)
  AUTHORS   Alfano,J.R., Charkowski,A.O., Deng,W.L., Badel,J.L.,
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  TITLE     The Pseudomonas syringae Hrp pathogenicity island has a tripartite
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            bounded by exchangeable effector and conserved effector loci that
            contribute to parasitic fitness and pathogenicity in plants
  JOURNAL   Proc. Natl. Acad. Sci. U.S.A. 97 (9), 4856-4861 (2000)
  MEDLINE   20243785
   PUBMED   10781092
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REFERENCE   5  (bases 1 to 52498)
  AUTHORS   Ramos,A.R., Rehm,A.H. and Collmer,A.R.
  TITLE     Pseudomonas syringae pv. tomato DC3000 hrpL through hrcU
  JOURNAL   Unpublished
REFERENCE   6  (bases 1 to 52498)
  AUTHORS   Alfano,J.R. and Collmer,A.
  TITLE     Direct Submission
  JOURNAL   Submitted (07-FEB-2000) Dept. Biol. Sci., UNLV, 1854 Maryland
            Parkway, Las Vegas, NV 89154, USA
REFERENCE   7  (bases 1 to 52498)
  AUTHORS   Ramos,A.R., Rehm,A.H. and Collmer,A.R.
  TITLE     Direct Submission
  JOURNAL   Submitted (22-NOV-2000) Plant Pathology, Cornell University, 334
            Plant Sciences Bldg., Ithaca, NY 14850, USA
  REMARK    Sequence update by submitter
REFERENCE   8  (bases 1 to 52498)
  AUTHORS   Ramos,A.R., Rehm,A.H. and Collmer,A.R.
  TITLE     Direct Submission
  JOURNAL   Submitted (05-MAR-2001) Plant Pathology, Cornell University, 334
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